

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111324\  
 Data File : BP023082.D  
 Acq On : 13 Nov 2024 15:31  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020716

Quant Time: Nov 14 01:29:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 13 04:49:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/15/2024  
 Supervised By :mohammad ahmed 11/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.587  | 152  | 46617    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.328 | 136  | 184173   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.192 | 164  | 166989   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.004 | 188  | 469057   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.433 | 240  | 600906   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.651 | 264  | 754592   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.140  | 96   | 8340     | 8.599  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.552  | 84   | 59678    | 20.711 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.787  | 99   | 67033    | 19.449 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.934  | 67   | 43188    | 21.328 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.134  | 132  | 50515    | 20.013 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.293  | 113  | 55220    | 19.470 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.728  | 128  | 27368    | 21.345 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.440  | 143  | 32175    | 21.049 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.975  | 165  | 67699    | 21.149 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.487 | 131  | 79052    | 20.700 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.604 | 166  | 248851   | 20.677 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.881 | 160  | 264974   | 21.100 | ng/u1  | -0.02    |
| 54) 4-Nitrophenol-d4          | 14.451 | 143  | 33395    | 18.464 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.210 | 176  | 236830   | 22.444 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.357 | 200  | 53245    | 18.949 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.104 | 188  | 439856   | 22.147 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.486 | 212  | 580562   | 20.975 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.421 | 264  | 777042   | 21.618 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.175  | 88   | 8915     | 7.956  | ng/uL  | 97       |
| 5) Pyridine                   | 3.569  | 79   | 60252    | 20.822 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.752  | 77   | 48441    | 24.424 | ng/u1  | 100      |
| 8) Phenol                     | 6.816  | 94   | 70342    | 19.545 | ng/u1  | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.022  | 93   | 52412    | 19.379 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.163  | 128  | 54608    | 20.838 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.034  | 108  | 53226    | 19.812 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.093  | 45   | 64958    | 21.217 | ng/u1# | 93       |
| 16) Acetophenone              | 8.399  | 105  | 99315    | 20.839 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.381  | 70   | 51324    | 21.567 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.357  | 108  | 59383    | 20.012 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.628  | 117  | 26310    | 20.759 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.769  | 77   | 80501    | 21.881 | ng/u1  | 92       |
| 23) Isophorone                | 9.281  | 82   | 139311   | 21.177 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.475  | 139  | 34314    | 21.268 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.534  | 107  | 76884    | 22.068 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.763  | 93   | 76661    | 21.180 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.004 | 162  | 67275    | 21.217 | ng/u1  | 94       |
| 30) Naphthalene               | 10.381 | 128  | 185279   | 20.707 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.510 | 127  | 75192    | 20.323 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.651 | 225  | 64880    | 22.614 | ng/u1  | 96       |
| 34) Caprolactam               | 11.293 | 113  | 20018m   | 21.226 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.651 | 107  | 77177    | 22.626 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 11.992 | 142  | 147145   | 21.783 | ng/u1  | 98       |

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## Instrument :

BNA\_P

## ClientSampleId :

SSTD020716

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 14 01:29:37 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110924.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Nov 13 04:49:01 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.216 | 142  | 148800   | 21.548 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.369 | 216  | 114350   | 20.284 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.340 | 237  | 57207    | 19.320 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.634 | 196  | 70139    | 20.432 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 12.710 | 196  | 77865    | 21.040 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.022 | 154  | 216980   | 20.278 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.063 | 162  | 177990   | 20.349 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.287 | 65   | 52131    | 21.226 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.663 | 163  | 244220   | 20.576 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.787 | 165  | 48042    | 20.808 | ng/ul  | 92       |
| 50) Acenaphthylene            | 13.910 | 152  | 268200   | 21.128 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.128 | 138  | 44442    | 22.348 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.257 | 153  | 197606   | 21.442 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.369 | 184  | 29260    | 17.861 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.469 | 109  | 43356    | 20.488 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.598 | 168  | 309953   | 21.768 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 14.598 | 165  | 82930    | 22.537 | ng/ul# | 66       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.851 | 232  | 81766    | 22.603 | ng/ul# | 97       |
| 59) Diethylphthalate          | 15.039 | 149  | 262005   | 22.319 | ng/ul  | 99       |
| 61) Fluorene                  | 15.257 | 166  | 266244   | 22.845 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.257 | 204  | 158728   | 23.131 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.310 | 138  | 43714    | 23.624 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.375 | 198  | 55435    | 18.468 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 15.486 | 169  | 234608   | 21.645 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.180 | 248  | 113654   | 21.397 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.292 | 284  | 141744   | 21.198 | ng/ul  | 97       |
| 70) Atrazine                  | 16.469 | 200  | 109718   | 20.942 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 16.657 | 266  | 80655    | 19.428 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.045 | 178  | 477816   | 21.575 | ng/ul  | 100      |
| 74) Anthracene                | 17.145 | 178  | 489149   | 21.968 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.987 | 216  | 117628   | 18.994 | ng/uL  | 93       |
| 76) Pentachlorobenzene        | 14.528 | 250  | 142120   | 20.098 | ng/uL  | 96       |
| 77) Carbazole                 | 17.427 | 167  | 433317   | 22.306 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.004 | 149  | 489359   | 22.700 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.139 | 202  | 668211   | 20.956 | ng/ul  | 100      |
| 82) Pyrene                    | 19.516 | 202  | 711482   | 20.770 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.468 | 149  | 239780   | 21.261 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.345 | 252  | 286912   | 21.271 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.416 | 228  | 785074   | 21.396 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.345 | 149  | 344610   | 21.502 | ng/ul  | 98       |
| 87) Chrysene                  | 21.480 | 228  | 742648   | 21.510 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.568 | 149  | 615685   | 20.111 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.633 | 252  | 888028   | 21.143 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.692 | 252  | 889958m  | 21.524 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.492 | 252  | 823969   | 21.702 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.274 | 276  | 1104347m | 20.877 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.350 | 278  | 893113   | 20.794 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 29.397 | 276  | 824990   | 20.533 | ng/ul  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

